

ПОЛИЙЕКТОВ-НИКОЛАДЗЕ, Н.М.

Migdal, A. B.; and Polivykov-Nikoladze, N. M. Quantum
kinetic equation for double collisions. Dokl. Akad.

Nauk SSSR (N.S.) 105, (1955), 233-235. (Russian)

The motion of particles under the influence of a large
number of scattering centers is investigated. By the use of
the density matrix an approximate kinetic equation is
obtained, in which multiple collisions are neglected.

N. Rosen (Haifa).

POLIYEVKTOV-NIKOLADZE, N.M.

Charge normalization not considering the theory of perturbation.
Dokl.AN SSSR 105 no.3:458-460 N '55. (MLBA 9:3)

1. Predstavleno akademikom N.N Bogolyubovym.
(Potential, Theory of) (Electrons)

POLIEVKTOV - NIKOLADZE, N.M.

SUBJECT USSR/MATHEMATICS/Differential equations CARD 1/2 PG - 529
 AUTHOR POLIEVKTOV-NIKOLADZE N.M.
 TITLE On the Green's function for the photon.
 PERIODICAL Doklady Akad.Nauk 105, 703-705 (1955)
 reviewed 1/1957

An approximative expression for the photon Green's function is obtained from its functional integral representation

$$D_{\mu\nu}(x;x') = i \frac{\int a_{\mu}(x) a_{\nu}(x') \exp(i\Lambda[a, \omega]) (da)(d\omega)}{\int \exp(i\Lambda[a, \omega]) (da)(d\omega)},$$

where the supplementary ω -integration has its origin in the representation of the so-called "delta functional", and the functional Λ is determined by

$$\frac{\delta \Lambda}{\delta a_{\mu}(x)} = \frac{1}{4\pi} \square a_{\mu}(x) + \frac{\partial \omega(x)}{\partial x_{\mu}} + j_{\mu}^p(x); \quad \Lambda[0, \omega] = 0.$$

Here j^p denotes the finite part of the polarization current. Retaining in Λ only terms of the order e^2 one obtains

$$\Lambda = -2\pi^3 \int k^2 (1-e^2 \varphi(k)) a_{\mu}(k) a_{\mu}(-k) d^4 k - 16\pi^4 i \int \omega(-k) k_{\mu} a_{\mu}(k) d^4 k,$$

POLIEVKOV-NIKOLADZE N. N.
POLIEVKOV-NIKOLADZE, N. N.

"Calculation of Quasi-Stationary Electromagnetic Field in a System with Toroidal Symmetry." (Work carried out n 1958); pp. 70-80.

"The Physics of Plasmas; Problems of Controlled Thermonuclear Reactions." Vol. IV. 1958, published by Inst. Atomic Energy, Acad. Sci. USSR.
resp. ed. M. A. Leontovich, editorial work V. I. Kogan.

Available in Library.

38113

S/058/62/000/004/022/160
A058/A101

24.2500

AUTHOR: Poliyektov-Nikoladze, N. M.

TITLE: On energy losses of heavy particles

PERIODICAL: Referativnyy zhurnal, Fizika, no. 4, 1962, 54, abstract 4B396
("Pizikis institutis shromebi. Sakartvelos SSR Metsnierebata
Akademia, Tr. In-ta fiz. AN GruzSSR", 1960, v. 7, 135 - 146,
English summary)

TEXT: It is shown that if spatial dispersion is taken into account (i.e., the dependence of the dielectric constant ϵ not only on frequency ω but also on wave number k), the quasi-macroscopic Maxwell equation can be used to determine the energy losses of heavy particles without marking off the boundary between cases of large and small sighting parameters. In the case of low velocities (i.e., close collisions) the results of the developed theory coincide with those of the quantum theory of particle interaction with individual atoms.

Yu. Vartanyan

[Abstracter's note: Complete translation]

Card 1/1

L 12047-66 EWT(1)/EWP(m)/T IJP(c)

ACC NR: AP6002659

SOURCE CODE: UR/0386/65/002/012/0551/0554

AUTHOR: Poliyevktov-Nikoladze, N. M.

ORG: Tbilisi State University (Tbilisskiy gosudarstvenny universitet)

TITLE: Non-Einsteinian gravitation 21/14/55

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki. Pis'ma v redaktsiyu. Prilozheniye, v. 2, no. 12, 1965, 551-554

TOPIC TAGS: gravitation, cosmology, general relativity theory

ABSTRACT: The author points out that Einstein's hypothesis, according to which the invariant Lagrangian density of the free gravitational field in $\Lambda = R/\kappa$, (R is the scalar space-time curvature and $\kappa = 2 \times 10^{-48}$ g/cm-sec²) is not uniquely proved, and that none of the presently known facts proves the incompatibility with experiment of an infinite set of non-Einsteinian expressions for Λ . Therefore, without patently contradicting experiment, he assumes that the expression $\Lambda = R/\kappa$ is actually only an approximation, which is valid only for a sufficiently weak field, a criterion for which is derived. He assumes in particular that Einstein's equations do not present a fully equivalent description of non-quantum gravitation and constructs his theory on the basis of the Lagrangian formalism, obtaining the expression for Λ from considerations of dimensionality and invariance, and also from the

Card 1/2

2

ACC NR: AP7001378

(A,N)

SOURCE CODE: UR/0413/66/000/021/0052/0052

INVENTORS: Yevdokimov, V. I.; Poliyevskiy, G. A.

ORG: none

TITLE: Method for synchronizing self-excited generators of periodic or random sequences of pulses with determined cycle interval. Class 21, No. 187830

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 21, 1966, 52

TOPIC TAGS: pulse generator, pulse sequence, pulse amplitude

ABSTRACT: This Author Certificate presents a method for synchronizing self-excited generators of periodic or random sequences of pulses with determined cycle interval. To insure stable operation of the self-excited generator over a wide range of pulse and interval density variation, input pulses with constant amplitude are supplied to a converter of interval length between pulses to pulse amplitude directly proportional to the length of the preceding interval. The converted pulses are then supplied through a synchronization circuit to the self-excited generator.

SUB CODE: 09/ SUBM DATE: 03Jul65

Card 1/1

UDC: 621.394.145

PETRUSENKO, V.G.; SHOSTYA, I.V.; OKUNEVA, Z.S.; PRIBITKOVA, Yu.V.;
FILIMONOV, V.P.; POLIYEKTOVA, A.M.; CHERNISHOVA, N.P.; ISAYCHENKO,
M.M., red.; LINKOV, G., tekhn.red.

[Economy of Cherkassy Province; statistical collection] Narodne
hospodars'tvo Cherkas'koi oblasti; statystychnyi zbirnyk. Cherkasy,
1957. 126 p. (MIRA 12:11)

1. Cherkassy (Province) Statisticheskoye upravleniye. 2. Nachal'nik
Statisticheskogo Upravleniya Cherkasskoy oblasti (for Isaychenko).
(Cherkassy Province--Statistics)

VOL'FKOVICH, S.I.; LYKOV, M.V.; CHEREPANOVA, A.S.; KOZLOVA, Z.A.;
POLIYEVKTOVA, E.G.

Production of potassium metaphosphate as a concentrated
and complex fertilizer. Zhur.prikl.khim. 38 no.9:1897-
1903 S '65. (MIRA 18:11)

1. Nauchnyy institut po udobreniyam i insektofungitsidam
imeni Ya.V.Samoylova.

ENKO
FOLYI, A.

Development of commerce between the U.S.S.R. and the European
socialist countries. Sov. torg. 35 no.11:43-47 K '61.

(IRA 14:10)

(Russia--Commerce--Europe, Eastern)
(Europe, Eastern--Commerce--Russia)

L 07068-67 EWT(1)

ACC NR: AP6019233

(N)

SOURCE CODE: UR/0144/66/000/002/0209/0212

AUTHOR: Poliyevalkiy, G. A.

ORG: None

43

B

TITLE: Investigation of a sinewave voltage amplitude stabilization circuit

SOURCE: IVUZ. Elektromekhanika, no. 2, 1966, 209-212

TOPIC TAGS: circuit reliability, electronic circuit, pulse amplitude, pulse rate

ABSTRACT: The essence of the amplitude stabilization method analyzed is that an input signal, consisting of pulses of constant amplitude, is converted into pulses of variable amplitude, with the amplitude of each pulse selected proportional to the length of the preceding pause. Thus, the pulse energy is dependent on the interval between successive pulses, whereas the average energy of the pulses in time is retained constant, regardless of the duty factor. The action of a periodic sequence of pulses on a circuit using the principle is analyzed. Variations in the ratios of capacitances of condensers used will produce a linear dependence of the pulse amplitude on the length of the pause preceding each pulse at the circuit output. Orig. art. has: 16 formulas and 5 figures.

SUB CODE: 09/SUBM DATE: 18Oct65/ORIG REF: 001

Card 1/1

UDC: 621.373.+621.3.072.

MASLENITSKIY, I.N.; POLIYEVSKIY, L.N.

Assaying materials containing a large amount of iron or chromium oxides. Izv. vys. ucheb. zav.; tsvet. met. 4 no.5: 139-144 '61. (MIRA 14:10)

1. Leningradskiy gornyy institut, kafedra metallurgii tyazhelykh tsvetnykh i blagorodnykh metallo.

(Tailings (Metallurgy))--Analysis)

(Slag--Analysis)

(Metallic oxides--Analysis)

POLIYEVTSSEV, N.P.; KAMILOV, I.K.

Comparative activity of dubinidine hydrochloride and hydro-
bromide in synergism with soporifics and narcotics. Farm.
alk. no. 1:150-154'62. (MIRA 16:9)
(DUBINIDINE) (NARCOTICS)

POLIYEVTSSEV, N.P.

Some analgesic properties of the alkaloid dubinidine. Farm.
alk. no.1:138-144'62. (MIRA 16:9)
(DUBINIDINE) (ANALGESICS)

POLIYEVTSSEV, N.P.; KAMILOV, I.K.

Sedative properties of the alkaloid dubinidine. Farm.alk.
No.1:145-149'62. (MIRA 16:9)
(DUBINIDINE) (SEDATIVES)

MAGRUPOVA, M.A.; KAMILOV, I.K.; POLIYEVITSEV, N.P.

Sedative soporific and narcotic actions of the alkaloid
haplophyllidine. Farm. alk. no.1:155-159'62. (MIRA 16:9)
(HAPLOPHYLLIDINE) (SEDATIVES) (NARCOTICS)

UMAROVA, Sh.S.; KAMILOV, I.K., POLIYEVTSSEV, N.P.

Effect of galanthamine hydroxymethylate on the action of
arecoline and atropine. Farm.alk. 181-183'62. (MIRA 16:9)
(GALANTHAMINE) (ARECOLINE) (ATROPINE)

UMAROVA, Sh.S.; KAMILOV, I.K.; POLIYEV'TSEV, N.P.

Galanthamine hydroxymethylate and its cholinergic properties.
Farm.alk. no.1:174-180'62. (MIRA 16:9)
(GALANTHAMINE) (PARASYMPATHOMIMETIC AGENTS)

MAGRUPOVA, M.A.; KAMILOV, I.K.; POLIYEVTSSEV, N.P.

Antagonism between haplophyllidine and analeptics. Farm.alk.
no.1:169-173'62. (MIRA 16:9)
(HAPLOPHYLLIDINE) (ANALEPTICS)

MAGRUPOVA, M.A.; KAMILLOV, I.K.; POLIYEVTSSEV, N.P.

Synergetic action of the alkaloid haplophyllidine in combination
with soporifics and narcotics. Farm.alk. no.1:160-168'62.

(~~HAPLOPHYLLIDINE~~) (NARCOTICS)

(MIRA 16:9)

AKHMEDKHODZHAYEVA, Kh.S.; POLIYEVTSSEV, N.P.

Sedative nature of the alkaloid perforin and its synergism
with soporifics and narcotics. Vop. biol. i kraev. med.
no.4:436-441 '63. (MIRA 17:2)

UMAROVA, Sh.S.; KAMILOV, I.K.; POLIYEVITSEV, H.P.

Comparative action of galanthamine hydrobromide and hydroxymethylate on neuromuscular conduction. Farm.alk. no.1:
184-189'62.

(GALANTHAMINE—PHYSIOLOGICAL EFFECT) (MIRA 16.9)
(MUSCLE) (NEUROCHEMISTRY)

POLIYEVTSYEV, N.P.

The alkaloid dubinidin and its antagonism to analeptics. Izv. AN Uz.
SSR. Ser.med. no.6:66-71 '59. (MIRA 13:4)

1. Institut khimii rastitel'nykh veshchestv AN UzSSR.
(ALKALOIDS)

L 05101-67 EWT(d)/FSS-2/EWT(1)

ACC NR: AP6013236

SOURCE CODE: UR/0413/66/000/008/0031/0031

AUTHOR: Poliyevskiy, G. A.

ORG: none

44
B

TITLE: A method for separating sinusoidal oscillations from a periodic or random pulse sequence. Class 21, No. 180629

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 8, 1966, 31

TOPIC TAGS: pulse analyzer, pulse duration modulation

ABSTRACT: This Author Certificate presents a method for separating the sinusoidal oscillation from a periodic or random pulse sequence with shock excitation by pulses of a resonance loop. The design provides stabilization of the oscillation amplitude separated out when there is a change of the pulse rate or the pulse spacing. Input pulses with a constant amplitude are fed to the converter of the duration of the spacings between the pulses. This converter converts the spacing duration between the pulses to a pulse amplitude directly proportional to the duration of the spacing.

SUB CODE: 09/ SUBM DATE: 22Oct64

Card 1/1

vmb

UDC: 621.396.225

POLIYVETS, G.I.

POLIYVETS, G. I.

Results of magnesic therapy of remote sequels of craniocerebral injuries. Sovet. med. No. 12, Dec. 50. p. 20-2

1. Moscow.

GLML 20, 3, March 1951

POLIYVETS, Yu.G.

APPROVED FOR RELEASE: 06/15/2000 CIA-RDP86-00513R001341820001-1"

The SM568 pug mills. Biul.tekh.-ekon.inform. no.9:43-45 '58.

(MIRA 11:10)

(Building machinery)

TERLECKI, J.; SUŁOCKI, J.; POLIWKO, I.

Purification of cyclohexane by zone melting. Acta physica Pol
26 no.6:1251-1253 '64.

1. Department of Physics of the School of Medicine, Gdansk,
and Department of Physics of Teachers College, Gdansk. Submitted
August 31, 1964.

AKHMEDBABAYEV, M.Kh.; ARIFDZHANOV, K.A.; BELOUSOV, N.A.; BELYAKOV, S.P.;
ZOTOV, V.G.; ISAYEVA, Z.D.; MAKHMUDOV, I.A.; ISHCHENKO, F.S.;
KRASIL'NIKOV, Ya.A.; NIKOL'SKIY, I.P.; NETSETSKIY, A.M.;
PERGAT, F.F.; PAVLOVSKAYA, M.D.; SAMSONOV, L.S.; POLIZHAYEV,
A.I.; SMIRNOV, F.Ye.; SABININ, M.N.; SHUTYAYEV, N.A.; CHIZHIK,
V.I.; KARPENKO, P.M.; IMEROV, A.I.

Mikhail Aleksandrovich Nenetskii; obituary. Veterinariia 37
no.10:94 0 '60. (MIRA 15:4)
(Nenetskii, Mikhail Aleksandrovich, 1899-1960)

POLIZU, Al.; ZAHARIADI, C.; BONTEA, Vera; MARCHES, C.; BUCUR, Elena

Investigations on the biological action of some thiourea derivatives. Studii cerc biol s. bot 17 no.1:93-100 '64.

1. Laboratory of Insectifungicides and Toxicology, "Traian Savulescu" Institute of Biology. Submitted March 24, 1964.

POLIZU, A.

POLIZU, A. Determination of hexachlorocyclohexane in emulsive products. p. 1015.

Vol. 6, no.8, Aug. 1956

COMUNICARILE.

SCIENCE

RUMANIA

So: East European Accession, Vol. 6, NO.5, May 1957

✓ *Chem* Determination of hexachlorocyclohexane in emulsifiable products. Al Polizu. *Comun. acad. rep. populare Romine* 6: 1015-18(1956). — The emulsifiable product is treated with concd. H_2SO_4 , heated for a few minutes, and the BHC which crystallizes on the walls of the flask is filtered on a fritted glass funnel of known weight. Marthe Arcos

COUNTRY : RUMANIA
CATEGORY : Plant Diseases. General Problems. 0
ABS. JOUR. : RZhBiol., No.23 1958 No. 104964
AUTHOR : Petrascu, S.; Polizu, A.
INST. : -
TITLE : Petroleum Chemistry in Plant Protection
ORIG. PUB. : Rev. chim., 1957, 8, No 12, 763-767
ABSTRACT : A survey on the application of different petroleum distillation products in plant protection. Achievements obtained in the given area in Rumania give reasons for the application of these products on a wide scale. Bibliography of 71 titles.

CARD: 1/1

4

POLIZU, Alex; DUSCHIN, I.

Influence of the residue of parathion and systox on the fermentation of grape must. Comunicarile AR 11 no.5:545-551 My '61.

1. Comunicare prezentata de Alice Savulescu, membru ~~co~~respondent al Academiei R.P.R.

MIRON, Radu, conf. univ.; NEGREI, Veronica; MANOLIU, Lucia; POLIZU, Lucia;
VISA, Eugen; HAIVAS, M.; GLIGOR, I.; FUCHS, I.; ZOICAN, Voicu;
BAGHINA, V., prof.; HADIRCA-BREAZA, I.; IVANESCU-TIRGOVISTE, C.;
NEGREA, M.; SPIRIDON, I.; SZABO-PLOIESTI, T.; GRIGORE-PLOIESTI, I.,
prof.; BAZACOV, Gh., prof.; PAUNESCU, Al.; MORARU, I.; SAHAGIA, C.;
-UDREA, V., prof. (Galati); NIMITAN, I. (Suceava)

Observations on the Analytic Geometry Manual for the 11th grade.
Gaz mat fiz 15 no.6:298-321 Je '63.

1. Societatea de Stiinte Matematice si Fizice, Filiala Iasi (for Miron). 2. Societatea de Stiinte Matematice si Fizice, Filiala Craiova (for Negrei, Manoliu, Polizu). 3. Societatea de Stiinte Matematice si Fizice, Filiala Timisoara (for Visa, Haivas, Gligor, Fuchs). 4. Societatea de Stiinte Matematice si Fizice, Subfiliala Petroseni (for Zoican). 5. Societatea de Stiinte Matematice si Fizice, Filiala Ploiesti (for Baghina, Hadirca-Breaza, Ivanescu-Tirgoviste, Negrea, Spiridon, Szabo-Ploiesti, Grigore-Ploiesti). 6. Societatea de Stiinte Matematice si Fizice, Subfiliala Tg. Severin (for Bazacov, Paunescu, Moraru, Sahagia).

LEGUM, Mirko, Sanitetski pukovnik, dr. TOMIR, Vlasimir, sanitetski
kapetan I klase; POLJAK, Boris, higijenikar

Inoculation of epidemic hepatitis. (Analysis of an epidemic of
hepatitis in the commune of Motovun in 1959.). Vojnosanit.
pregl. 21 no. 52350-153 My '64

1. Epidemiolosko odeljenje, Higijensko-epidemioloski odelje,
Zagreb.

CH

Wood decomposition with peracetic acid. II. Determination of cellulose by means of peracetic acid. A. Poljak (Univ. Zagreb, Yugoslavia). *Holzforchung* 5, 31-3 (1957); cf. C.A. 42, 7981b.—Air-dried wood (2 g.) was heated with 10 cc. 10% peracetic acid (I) in a boiling water bath exactly 10 min. after the temp. of the mixt. had reached 75°. The soln. was dild. with 100 cc. H₂O, filtered, and washed successively with 1 l. H₂O at 50° and several portions of Me₂CO-EtOH (1:1), and dried. This technique yielded the following cellulose (percent) (II): beech 58.6, oak 51.9, fir 58.6, and pine 55.6. Kinetic studies showed that the reaction between a wood and I was complete within 0.5 hr. and that the resulting II was free from lignin (III). Colorimetric detns. of the phenolic bodies (IV) appearing after varying time intervals in the filtrates from II were made after coupling these with diazotized sulfanilic acid. The method is described fully. P. concludes that IV occur in the form of glycosides and that they are derivs. or components of III. Only 1 type of IV was obtained from beech, whereas 3 different entities were removed from firwood (at different rates). The glycosides could then be hydrolyzed to the sugar and detd. (as glucose) by Bertrand's method. L. E. Wise

PROCESSING AND PROPERTIES INDEX																									
1ST AND 2ND CATEGORIES													3RD AND 4TH CATEGORIES												
Determination of viscosity of molten aluminum and its alloys. E. V. English and S. V. Sergeev (<i>Compt. rend. Acad. Sci. U.S.S.R.</i>, 1961, 89, 137-139).—Methods of determining the η of Al and Al-Si alloys have been investigated. The method of effusion through a capillary is unsuitable for Al alloys as the capillary is readily blunted with Al_2O_3. A method based on determining the damping of the oscillations of a ball suspended by a steel thread in the molten metal gives reproducible results for both Al and Al-Si alloys. Vals. are given for η for Al and silumin (Si 12.3, Fe 0.44, Mg 0.01%) at various temp. between 600° and 800°. A. J. M.																									
ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION																									
1ST AND 2ND CATEGORIES													3RD AND 4TH CATEGORIES												
1ST AND 2ND CATEGORIES													3RD AND 4TH CATEGORIES												

POLJAK, F.

Aging of synthetic liquid dielectrics. El tech cas 15 no. 9:
572-573 '64.

POLJAK, F., inz.

Electric properties of polyethylene terephthalic foils.
El tech cas 15 no. 6:377-378 '64.

POLJAK, F.

Electrical strength of the fluid epoxide insulation. El tech
cas 14 no.2:106-107 '63.

POLJAK, F.

New device for testing the insulating foil resistance to the corona effects. El tech cas 14 no.1:45-46 '63.

POLJAK, Frantisek

Electric strength of transformer oil at a small distance of electrodes. El tech cas 16 no.4:247-249 '65.

POLJAK, F.

Chlorinated diphenyl and possibility of its use in electrical engineering. El tech cas 13 no.5:310-311 '62.

POLJAK, F.; CIERNY, V.

Electric properties of thermo-reactive compounds. p. 313.

ELEKTROTECHNICKY CASOPIS. (Slovenska akademia vied.) Bratislava,
Czechoslovakia. Vol. 10, no. 5, 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960.

Uncl.

POLJAK, F.

Properties of condensers with - paper dielectric impregnated
with synthetic liquid impregnants. El tech cas 16 no.2:121-
122 '65.

POLJAK, F.

Electric discharge on the surface of polycrystallitic ceramic masses. p. 272.

SYLAR A KERAMIK. (Ministerstvo lehkeho prumyslu) Praha, Czechoslovakia,
Vol. 9, no. 9, Sept. 1959.

Monthly List of East European Accessions (EEAI) LC, Vol. 9, no. 1,
Jan. 1960.

Uncl.

POLJAK, Frantisek, inz.

Synthetic fluid dielectrics for condensers. Elektrotechnik
19 no.11:314-316 N '64.

1. Slovak Higher School of Technology, Bratislava.

POLJAK, J.

Ionization processes in dielectrics under the influence of
direct-current voltage. El tech cas 15 no.1:59-60 • '64.

POLJAK, J.

Morphologic and hydrologic developments in the dolomites of the Dinaric Karst. p. 1.

GEOLOSKI VJESNIK. (Zavod za geoloska istrazivanja Hrvatske i Hrvatsko geolosko drustvo) Zagreb, Yugoslavia. Vol. 11, 1957 (published 1958).

Monthly list of East European Accessions (EEAI) LC, Vol. 8, no. 8, Aug. 1959

Uncl.

POLJAK, N.

Difficulties with long telephone numbers. p. 391.

SDELOVACI TECHNIKA. (Ministerstvo strojirenstvi) Praha, Czechoslovakia.
Vol. 7, no. 10, Oct. 1959.

Monthly List of East European Accession, (EEAI), LC, Vol. 8, No. 12, Dec. 1959
Uncl.

POLJAK, N.

Relay chains.

P. 542. (SLABOPROUDY OBZOR.) (Praha, Czechoslovakia) Vol. 18, No. 8, Aug. 1957

SO: Monthly Index of East European Accession (EEAI) LC. Vol. 7, No. 5, 1958

POLJAK, N.

1425. RELAY CHAINS. N. Poljak

Slaboproudy Obzor, Vol. 18, No. 8, 542-5 (1957). In Czech.

Three relay chains are described: (1) a system consisting of 5 relays and capable of recording (or counting) up to 10 pulses; (2) a 5-relay system capable of counting 12 pulses, which can operate as a receiving or a transmitting chain; and (3) a 4-relay counter capable of recording 11 pulses. Functioning of the chains is discussed in some detail and their operation is illustrated by means of appropriate time graphs.

R. S. Sidorowicz

2

RAW

POLJAK, N.

New "System 50" for local automatic telephone exchanges. p. 45.

SLABORPROUDY OBZOR. Praha. Vol. 15, no. 1, Jan. 1954.

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 3, March.1956.

POLJAK, N.

TECHNOLOGY

periodicals: SLOVACI TECHNIKA Vol. 6, no. 9, Sept. 1958

POLJAK, N. Relays, selectors or electron tubes? p. 340.

Monthly List of East European Accessions (EEAI) LC Vol. 8, no. 5
May 1959, Unclass.

S/274/63/000/001/020/020
D469/D308

AUTHORS: Poljak, Nikolaj, Zdeněk, Adam and Šrámek, Josef
TITLE: Method of holding telephone repeaters by calls coming from different directions
PERIODICAL: Referativnyy zhurnal, Radiotekhnika i elektrosvyaz', no. 1, 1963, 12, abstract 1V54 P (Czech pat., cl. 21 a³, 45; 21 a³, 59/01; 21 a³ 59/10, no. 96043, Jul. 15, 1960)

TEXT: The patented method is for holding telephone repeaters by calls in interurban automatic telephone exchanges. The method is distinguished by the fact that in order to ensure a uniform distribution of incoming calls, the possibility of holding the repeater in previously selected directions is automatically changed according to the state of other repeaters of the same group. A pilot repeater circuit passes through a contact relay whose position depends on the state of all other repeaters included in the given group.
1 figure.

[Abstracter's note: Complete translation]

Card 1/1

POLJAK, V.

Formation of open blisters on the surface of vertically drawn plate glass, p. 92, SKLAR A KERAMIK (Ministerstvo lehkeho prumyslu) Praha, Vol. 4, No. 4, Apr. 1954

SOURCE: East European Accessions List (EEAL) Library of Congress, Vol. 4, No. 12, December 1954

POLJAK, VL.

APPROVED FOR RELEASE: 06/15/2000
for Man and Animals. Microbiology Microbes Pathogenic Bacteria F-4
CIA-RDP86-00513R001341820001-1"

Abs Jour: Ref Zhur-Biol., 1958, No 17, 76793.

Author : Poljak, Vl.

Inst : Not given.

Title : Siberian Anthrax in Eastern Slovakia.

Orig Pub: Veterin. casop., 1957, 6, No 3, 258-262.

Abstract: Siberian anthrax (SA) is endemic in Eastern Slovakia, especially in the southern regions along the rivers where floods occur. For the last 15 years, the number of cases of SA in cattle and of corresponding human cases decreased. In almost all the infected persons, an epidermal form of SA was observed. Treatment with penicillin gave good results. The author considers immunization of people with SA unwise. He proposes to conduct the

POLJAK, VI.; BARDOS, V.

Laboratory infection with the virus of lymphocytic choriomeningitis.
Cas. lek. cesk. 97 no.38:1185-1191 19 Sept 58.

1. Infekce odd. OUMZ Jablonec nad Nisou, prednosta prim. Dr. VI.
Poljak, Ustav mikrobiologie a epidemiologie v Bratislave, vedouci
virolog. Odd. Dr. V. Bardos.

(VIRUS DISEASES, case reports

lymphocytic choriomeningitis in virol. laboratory
technician (Cz))

POLJAK, VL., Dr.

Case of hemorrhagic nephrosonephritis in Czechoslovakia.
Cas. lek. cesk. 95 no. 10:265-267 9 Mar 56.

Infekcni oddelenik OUNZ Michalovce, prednosta Dr. Vl. Poljak
(EPIDEMIC HEMORRHAGIC FEVER,
case in Czech. (Cz)

POLJAK-BARISIC; LUSTIG, A. ; RYZNAR, S.

Basis of the theory of washing and wetting, and evaluation of properties of detergents made in our country. p. 185, TEKSTIL, Vol, 4, No. 3, Mar. 1955, Beograd.

SOURCE: East European Accessions List (EEAL), Library of Congress, Vol. 4, No. 12, Dec. 1955.

POLJAK-BARISIC, K.

About the problem of the quantitative analysis of tannin in
drugs. Bul sc Youg 8 no.3/4:82 Je-Ag'63.

1. Ekonomski fakultet, Zagreb.

JEFREMOV, D.V.; MESCHERJAKOV, M.G.; MINC, A.L.; DZELEPOV, V.P.; IVANOV, P.P.;
KAMYSEV, V.S.; KOMAR, J.G.; MALYSEV, I.F.; MONOSZON, N.A.; NEVJAZSKIJ,
I.Ch.; POLJAKOV, B.I.; CESTNOJ, A.V.; BENDA, Frantisek [translator]

The six meter synchrocyclotron of the Institute for Research on
Nuclear Problems affiliated to the Academy of Sciences of Soviet
Union. Jaderna energie 3 no.1:1-4 Ja '57.

1. Ustav jaderne fysiky (for Benda).

1ST AND 2ND SERIES		PROCESSING AND PROPERTIES INDEX		3RD AND 4TH SERIES	
COMMON ELEMENTS		<i>B-1-2</i> Gravimetric method of evaluating the groups of hydrocarbons in gasoline. J. POLJAKIN (Ned. Chem. 1955, 28, No. 6, 94). The apparatus consists of a series of wash-bottles. The system is freed from O_2 by passing H_2 and a weighed amount of gasoline (0.1-0.5 g.) is passed through various absorbers by a stream of H_2. The absorbers absorb: unbranched alkanes, aromatic compounds and their derivatives, without attacking naphthalene or substituted hydrocarbons, and absorbed in H_2SO_4 saturated with AsH_3. The vapours then pass through a tube of platinum asbestos at 300°. This converts 6-C ring naphthalene into aromatic hydrocarbons, the 5-C ring naphthalene and paraffins being unchanged. The aromatic hydrocarbons formed from the naphthalene are absorbed by H_2SO_4, and the unchanged naphthalene and paraffins are absorbed by activated C. The H_2 is burned and the H_2O produced is absorbed and weighed. Ch. Ans. (c) 12		COMMON VARIABLE INDEX	
MATERIALS INDEX		ASB-114 METALLURGICAL LITERATURE CLASSIFICATION		8TH EDITION, 1952	
8TH EDITION		1952000 MAY ONLY ONE		1952001 MAY ONLY ONE	
1952000 MAY ONLY ONE		1952001 MAY ONLY ONE		1952002 MAY ONLY ONE	
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ALPHABETIC INDEX																									
A-Z													A-Z												
CA 11 A Effect of x-rays on proteolytic processes both in vitro and in vivo. R. Gassler and A. Hajjajog. <i>Zhurnal eksp. Biol. Med.</i> 11, 15 20(1950). In freshly extirpated spleens of cats irradiated with different doses of x-rays it is found that small doses induce a temporary increase in the proteolytic processes while large doses diminish or even completely inhibit the proteolysis. X-ray treatment had no influence on the blood cholesterol content. S. Morgulis ASSOCIATED METEOROLOGICAL LITERATURE CLASSIFICATION																									
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COMMON ELEMENTS										PROCESSES AND PROPERTIES INDEX										COMMON ELEMENTS									
COMMON ELEMENTS										PROCESSES AND PROPERTIES INDEX										COMMON ELEMENTS									
BC																				B-I-2									
Tower process (of sulphuric acid manufacture) without use of lead. K. POLJANOV and A. VASCHILIN (J. Chem. Ind. Russ., 1937, 76, 284-288).— 90% of the Pb entering into the construction of equipment of H₂SO₄ plants may be replaced by cast Fe and acid-resistant minerals (trachiliparite or andesite). R. T.																													
ASH-11A METALLURGICAL LITERATURE CLASSIFICATION																													
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BC A.1

1ST AND 2ND COVERS PROCESSING AND PROPERTY INDEX

Immersion capillaritymeter. A new form of device for measuring surface tension of liquids in closed space. M. P. Ivilskiy (*J. Phys. Chem. Russ.*, 1960, 34, 127-128). An inverted U-tube composed of two different capillaries is immersed in liquid and the difference between the capillary rises measured. I. I. R.

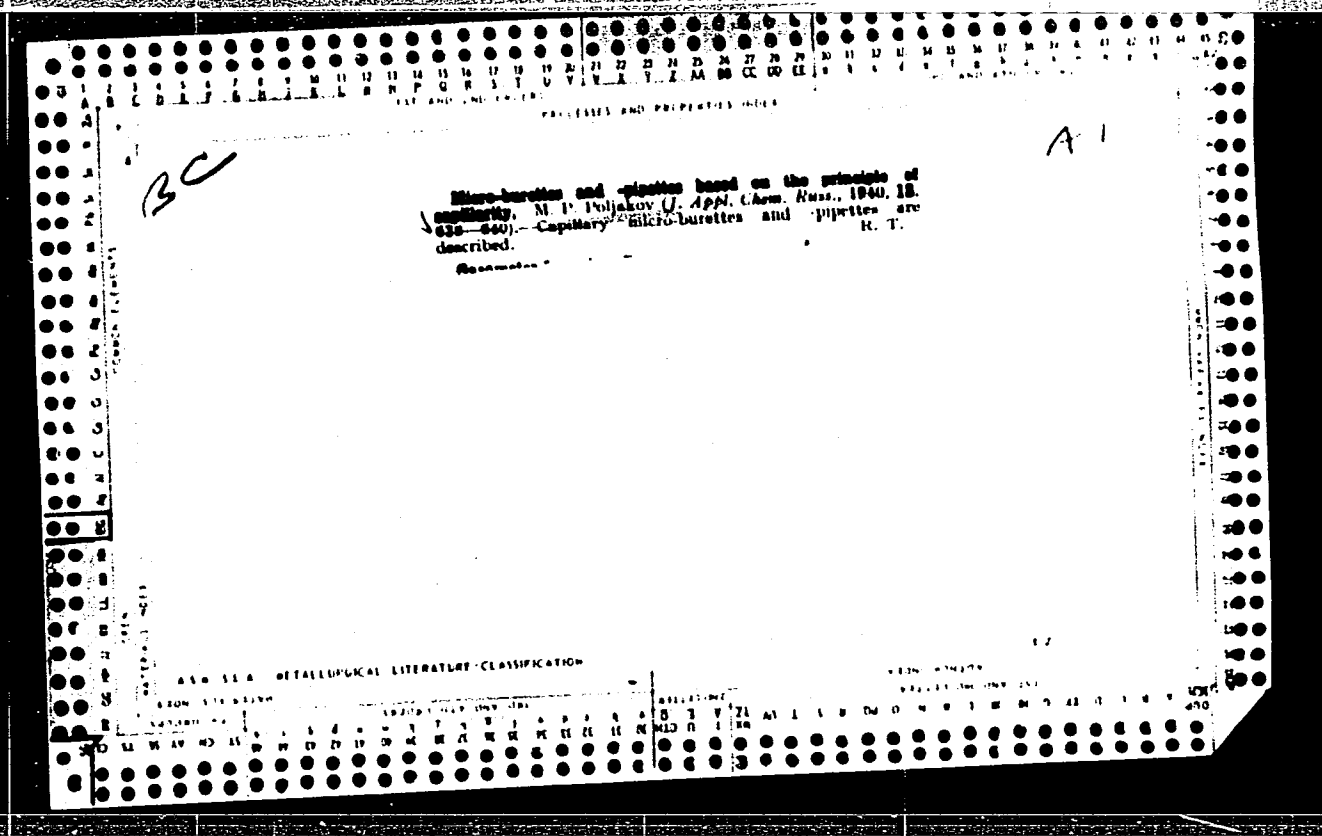
ASB-354 METALLURGICAL LITERATURE CLASSIFICATION

STANDARD #4

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STANDARD #4

COLLECTION



67-11-1000000000

10. 10. 10.

Lakes and wells of Kustanal region. V. D. Poljakov and D. I. Kusnetsov (*J. Appl. Chem. Russ.*, 1940, 13, 404-411).—Some lakes near Kustanal (Western Siberia) contain deposits of $\text{Na}_2\text{SO}_4 \cdot 10\text{H}_2\text{O}$ and of other minerals. J. J. B.

CIA-RDP86-00513R001341820001-1"

CIA-RDP86-00513R001341820001-1"

BC

Method of measuring electrical conductivity of solutions. V. D. PIRJANOV and A. V. IVANOV (Bull. Acad. Sci. U.R.S.S., 1938, *Str. Chim.*, 1119-1140).—An apparatus for the measurement of resistance of solutions involves a Wheatstone bridge, a generator, and an amplifier, an a.c. with symmetrical wave being obtained by a tuning fork undamped generator. A method of obtaining sound oscillations by means of an electron tube, using only the a.c. source, is discussed. *Abstracts* and the *best* results are obtained by using electrodes of invariable inter-electrode distance.

F. H.

11T AND 7MP ORDER PROCESSES AND PROPERTIES INDEX

B-J-C

BC

Nickel- and chromium-plating of tungsten filaments. V. D. Poljanov (J. Appl. Chem. Russ., 1936, 9, 1033-1037).—W filament (cathode) is passed through a NiSO_4 -Na citrate electrolyte in a Ni trough (anode). when a bright, adherent Ni coating is obtained (e.d. 0.01-0.04 amp.). Cr-plating proceeds equally well on W and Ni-plated W filament, but the product is brittle. R. T.

ASA-USA METALLURGICAL LITERATURE CLASSIFICATION

11T AND 7MP ORDER PROCESSES AND PROPERTIES INDEX

1ST AND 2ND CROSS										3RD AND 4TH CROSS									
PROCESS AND PROPERTIES INDEX																			
BC 11-3 Abstract obtained from <i>Isobrandi</i> leaves; synthesis of <i>Isobrandi</i>. N. A. PERBRASHENSKI, A. M. POLJAKOVA, and V. A. PERBRASHENSKI (<i>Compt. Rend. Acad. Sci. U.R.S.S.</i>, 1935, 3, 267— 269). — <i>d</i>-Phenyl acid is converted by SOCl_2 into the <i>d</i>-phenyl chloride, which with CH_3N, affords <i>d</i>-phenyl chloromethyl ketone, m.p. 108—109°; in H_2O the latter is converted by $\text{Na}_2\text{S}_2\text{O}_5$ and Ag_2O into <i>d</i>-homophenolic acid (I). This synthesis is confirmed by conversion of (I) into <i>d</i>-homophenyl chloromethyl ketone (A., 1933, 1311) identical with material prepared from natural (I). P. G. C.																			
ASS-55A METALLURGICAL LITERATURE CLASSIFICATION FROM DIVISION FROM DIVISION																			

POLJAKOVA, A.M.,
I. F. VERESCHTSCHAGIN, IAN/OKhN, 1945, 469-479.

POLJAKOVA, A. M.

"Synthese de l'alcaloide pilozinine." Poljakova, A. M.; Poljakova, V. A.;
Preobrazenskij, N. A. (p. 1402)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #15

1ST AND 2ND COLUMNS																										3RD AND 4TH COLUMNS																									
COMMON ELEMENTS																										COMMON VARIANTS INDEX																									
MATERIALS INDEX																										PROCESSES AND PROPERTIES INDEX																									
BC transformation of benzene. V. A. Proobrubshenki, A. M. Foliahova, and S. E. Koshov (J. Gen. Chem. Russ., 1949, 18, 511-521). $(CH_3)_2CO-NH_2$ is dehydrated with P_2O_5 and the resultant pure $(CH_3)_2C=O$ is hydrogenated with Pt-Pt catalyst at room temp. and 40-50 atm. to produce as EtOH and conc. H_2SO_4. The acid prevents by-product formation, most of the $(CH_3)_2C(NH_2)_2$ (I) being pptd. as the sulphate, from which it is recovered by treatment with KOH and distillation in vac. A further small amount of (I) is isolated from the hydrogenation solution. Total yield 80% of theory. L. L.																										E2																									
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1ST AND 2ND COLUMNS																										3RD AND 4TH COLUMNS																									
PROCESSES AND PROPERTIES INDEX																																																			
BC a-1 Explosive decomposition of cyclopentadiene at high pressure. L. P. Vorchinskiy and A. M. Feinberg (Compt. rend. Acad. Sci. U.R.S.S. 1948, 69, 107-108). Cyclopentadiene (C) and cyclopentadiene can both be detonated with Geryl in a steel container, but decomp. is incomplete if the vol. is > 8 c.c. (C) decomposes explosively if the pressure is increased at a rate > 1000 atm. per min. to a 2000 atm. limit stated. Explosion occurs after an induction period of 1-2 sec. If the rate of increase of pressure is < 1000 atm. per min., only dimerization occurs. It is suggested that the explosion is thermal and initiated by the heat liberated in the dimerization reaction, but is inhibited if the amount of dimer formed is too great. L. J. J.																																																			
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157 AND 158 INDEX		PROCESSES AND PROPERTIES INDEX	
Synthesis of the alkaloid pilosinine. A. M. POKHOMOVA, V. A. POKHOMOVSKIY, and N. A. POKHOMOVSKIY (J. Gen. Chem. Russ. 1959, 3, 1402-1409). $-(CH_2CO_2Et)_2$ and HCO_2Et condensed in $NaOMe-EtOH$ (1 day at 0°, then 2 days at room temp.) yield Et_2 formylsuccinate, reduced (Al-Hg) to Et_2 itaconate, converted by distillation into Et pilosinate, b.p. $273-276^\circ$, hydrolyzed to pilosinic acid, $CO_2H-CH(OH)-CH_2CO_2H$, m.p. $64-65^\circ$, the chloride, b.p. $107^\circ/12$ mm., of which is treated with CH_3N_3. The resulting pilosinyl diazomethyl ketone, shaken with Ag_2O in $EtOH$, yields Et homopilosinate, b.p. $161^\circ/16$ mm., hydrolyzed to homopilosinic acid, m.p. $86.5-87.5^\circ$, the chloride, b.p. $126^\circ/0.2$ mm., of which is treated with CH_3N_3, and the homopilosinyl diazomethyl ketone thus obtained is converted into homopilosinyl acetoxyethyl ketone (I), b.p. $166^\circ/0.5$ mm., by the action of $AcOH$ at 70°, and into the chloromethyl ketone (II), b.p. $143^\circ/0.7$ mm., by esterification of its Et_2O solution with HCl. (II) in $EtOH$ and K phthalimide (8 hr. at 100°) give homopilosinyl phthalimidomethyl ketone, m.p. $146-147^\circ$. This, heated with $1:1 HCl$ (8 hr. at the b.p.), affords homopilosinyl aminomethyl ketone (hydrochloride, m.p. $140-143^\circ$), which with aq. KCN (8 hr. at 100°) gives 2-homopilosinidine, m.p. $202.5-203^\circ$, and this is converted by boiling with aq. $FeCl_3$ into pilosinidine (III) (nitrate, m.p. $117-118^\circ$), from which pilosinine is prepared by treatment successively with MeI and KOH. (III) is also prepared by shaking (I) with aq. $Cu(OAc)_2$, aq. CH_3O, and aq. NH_3, and then passing H_2S at 100° (Weidenhagen reaction). R. T.			
ASB-ILA METALLURGICAL LITERATURE CLASSIFICATION			
FROM SYNONYM			
SYNONYM			
RELATION			
CLASSIFICATION			

[illegible]

POLJAKOVA, E. M.

"Equilibre dans les systemes $\text{KF} \text{--} \text{H}_2\text{O}$ et $\text{KHF}_2 \text{--} \text{H}_2\text{O}$ ". V. S. Jatlov et E. M. Poljakova.
(p. 776)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1968, Vol. 3, No. 8

BC

B-1-8

Oxidation reaction, its properties and industrial application. V. E. Jankov, E. M. POKHANOVA, and E. F. POZDNYAKOVSKIY (J. Chem. Ind. Russ., 1957, 24, 602—603, —02 p. of abstract per g. of CrO₃, is added to a 1:2 CrO₃-HF solution, maintaining the temp. at 60° for 6 hr., to yield a solution from which CrF₃ is obtained by evaporating to dryness.

R. T.

550-55A METALLURGICAL LITERATURE CLASSIFICATION

1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
<i>Be</i> <i>A-1</i> Equilibrium in the systems $\text{KF}-\text{H}_2\text{O}$ and $\text{KHF}_2-\text{H}_2\text{O}$. V. I. Janov and E. M. Pustanovs (J. Gen. Chem. Res., 1988, 8, 774-776).—The solid phases in the system $\text{KF}-\text{H}_2\text{O}$ are ice, KFS and $4\text{H}_2\text{O}$, and KF, and in the system $\text{KHF}_2-\text{H}_2\text{O}$ ice and KHF_2. R. T.																			
ASB.ILA METALLURGICAL LITERATURE CLASSIFICATION																			
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1ST AND 2ND ORDERS										3RD AND 4TH ORDERS									
PROCESSES AND PROPERTIES INDEX																			
BC C-2 178. Sublimation of cyclopentanone. A. V. Kiranov and I. M. Polubny (Dokl. Akad. Nauk, 1966, 22, 1686-1618).—p-Benzoyl chloride reacts with cyclopentanone (II) in toluene so slowly (e.g., 20% within 2 hr.) that this reaction cannot be used for determining (II) through its rate increase with temp. (II) is determined by maleic anhydride (III) in toluene at room temp. in 1 hr.; the amount of (II) is determined with H_2KIO_4 and $\text{Na}_2\text{S}_2\text{O}_8$ for 0.05–0.15 g. of (II) 50 ml. of 0.1M (III) are used. J. J. B.																			
ASB-51A METALLURGICAL LITERATURE CLASSIFICATION																			
COMMON ELEMENTS										COMMON VARIABLES INDEX									
COMMON ELEMENTS										COMMON VARIABLES INDEX									

1ST AND 2ND ORDERS

PROCESSED AND PROPERTIES INDEX

2-3

BC

Mechanism of amination by means of sodamide.
II. Preparation of unsubstituted aromatic
amidines by the action of sodamide on nitriles.
A. V. KIRMANOV and I. M. POLJAKOVA (J. Gen. Chem.
Russ., 1938, 6, 1715—1720). — PhCN and NaNH₂ in
PhMe (6 hr. at the b.p.) give benzamidine; the reac-
tion also proceeds very slowly at room temp. Tolu-
enimidine (picrate, decomp. at 210°; calcium salt, m.p.
210—211°) and naphthalimidine were obtained analog-
ously from p-tolunitrile and α-C₁₀H₇CN. The reac-
tion is represented as RCN + NaNH₂ → R.NH.CR.NNa → R.T.

R.T.

ASD-5L6 METALLURGICAL LITERATURE CLASSIFICATION

FROM SYMBOLIC

RELATIONS

RELIST ONE ONLY

RELIST ONE ONLY

1ST AND 2ND DEGREES										3RD AND 4TH DEGREES									
PROCESSES AND PROPERTIES INDEX																			
<i>Pr</i> <i>B-I-2</i> Application of osmium to examination of petroleum products. <i>El. A. V. Kozlov, I. M. Buzanova, and J. M. Ivanovskaya (J. Appl. Chem. Russ., 1966, 3, 1197-1200; of R., 1966, 384-386), of the S content of Tschernov benzine is readily removed by treatment with O₂, the remainder being more difficultly oxidized; repeated treatment with small quantities of O₂ in low concentration is the most effective. The rate of decolorization is accelerated by presence of H₂O, CuO, H₂SO₄, or K₂Cr₂O₇. Thompson and Marshall's method for the analysis of the S-containing constituents of benzine is not applicable to osmium benzine, as the H₂SO₄ adsorbs part of the oxidation products, as well as osmium. Isobutylene is more readily decolorized than Tschernov petroleum. With H₂S is previously removed. Osmium benzine does not corrode Cu; its content of heavy matter varies inversely with the S content, obtaining value of 0.015-0.031% after 12 months. R. T.</i>																			
ASB-114 METALLURGICAL LITERATURE CLASSIFICATION																			
FROM SYNONYMS										TO SYNONYMS									
SYNONYMS										SYNONYMS									
SYNONYMS										SYNONYMS									

2281. DETERMINATION OF CYCLOPENTADIENE (IN CRUDE BENZOLE).
Kirsanov A V and Poljakova I M (J. Appl. Chem Russ. 1940,
13, 1406-1413; Brit abst 1945, H1, 12). Crude coke oven benzole
contained 3.5-3.9% of cyclopentadiene; within 2 months 65% of this
had polymerised.

100 AND 4TH CRITERIA

1ST AND 2ND CRITERIA

PROCESSING AND PROPERTIES INDEX

3c

B-D-1

Purification of crude anthracene. I. M. Ponsa-NOVA (Proc. Roy. Soc. 1960, 7, 305-308).—Crude anthracene in solvent ammonia is heated with maleic anhydride (I) (20 min. at the b.p.), and the product is purified by distillation. The solid is pptd. by rapid addition of 20% aq. H₂SO₄, when the product is obtained in the anhydride form; with the addition of 10% aq. H₂SO₄, the acid form is obtained. The solid is washed in 20% aq. H₂SO₄ and the residue passed through a tube to give the concentrate consisting of a mixture of 95-97% anthracene and (I). The yield of (I) is 95-97% in the case of the anhydride, and only 30-35% in that of the acid form.

ASB-SEA METALLURGICAL LITERATURE CLASSIFICATION

1ST CRITERIA

2ND CRITERIA

3RD CRITERIA

4TH CRITERIA

5TH CRITERIA

6TH CRITERIA

7TH CRITERIA

8TH CRITERIA

9TH CRITERIA

10TH CRITERIA

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15TH CRITERIA

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70TH CRITERIA

71TH CRITERIA

72TH CRITERIA

73TH CRITERIA

74TH CRITERIA

75TH CRITERIA

76TH CRITERIA

77TH CRITERIA

78TH CRITERIA

79TH CRITERIA

80TH CRITERIA

81TH CRITERIA

82TH CRITERIA

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P. 101

Determination of cyclopentadiene in crude benzene. A. V. Kir-
nagov and I. M. Polubavina (*J. Appl. Chem. Russ.*, 1968, 12, 1608—
1612).—Crude *tert-octyl* benzene contained 3.8–5.7% of *cyclo-*
pentadiene; within 2 months 65% of this had polymerized. (For
method of determination see C., 1948, Part 1.) J. J. B.

ASH-SLA METALLURGICAL LITERATURE CLASSIFICATION

E-2

POLIVKOVA-MESPOROVA, K.

Results of the treatment of certain ovarian disorders by x-ray
irradiation of the pituitary. Lek. listy, Brno 6 no.23:733-735
1 Dec 51. (CLML 21:4)

1. Of the Obstetric-Gynecological Clinic (Head--Docent V. Vasek, M.D.)
of Palacky University, Olomouc.

SHAPOVALOV, G.M.; POL'KIN, S.I.

Effect of soluble glass and sodium oleate on the flotation of
pyrochlore and zircon with use of sodium alkyl sulfate. Izv.
vys.ucheb.zav.; tsvet.met. 2 no.1:20-25 '59. (MIRA 12:5)

1. Moskovskiy institut tsvetnykh metallov i zolota. Kafedra
obogashcheniya poleznykh iskopayemykh.
(Flotation) (Pyrochlore) (Zircon)

3C

Physicochemical basis of obtaining complex potassium fertilizers. A. G. RUMINAN and L. M. MEJANOVA (Kali, U.S.S.R., 1935, No. 8, 24-28).—
The system KNO_3 (I)- NH_4Cl (II)- H_2O is examined.
The solution at -10°C contains (I) 6-1 and (II) 10-7%.
The triple, non-variable transition point at 24.4°C corresponds with (I) 25.6 and (II) 21.6%.
Ch. Ann. (19)

POLJAKOV, L.E.

On the problems and methods of teaching physicians the fundamentals of mathematical statistics. Cesk. zdrav. 12 no.4: 170-172 Ap'64

PC

A-4

Changes during growth in weight and composition of endocrine glands of rabbits. T. P. Schestrikova and N. M. Fajstman, *Doklady Akad. Nauk SSSR*, 1960, 12, 366-368. --Until the age of 90 days is attained, the mol. N content of the thymus (thyroid I) gland remains almost unchanged and the residual N content decreases. Between the ages of 90 and 180 days, these changes are reversed and the wt. of the gland decreases. The abs. amount of cholesterol in the testes and ovaries increases as the wt. of these organs increases. In the testes, the cholesterol content decreases when sexual maturity is attained and remains low in adult life, but in the ovaries it increases during adult life after decreasing during the period when sexual maturity is attained. The diminutions are attributed to conversion of cholesterol into sex hormones; and the increase to formation of corpora lutea. The adrenaline content of the adrenal glands of corpora lutea. With age, there being a small increase at 50-60 days.

W. McC.

137 AND 138 GROUPS										139 AND 140 GROUPS									
PROCESSES AND PROPERTIES INDEX																			
A-1 ... of ... in presence of ... A. Kusa and ... (Biochem., 1944, 10, 144-150).—Synthesis of ... from hippuric acid and ... and of from ... and ... under the ... of ... is increased by is increased by																			
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1ST AND 2ND ORDERS												3RD AND 4TH ORDERS											
PROCESSES AND PROCEDURES INDEX																							
BC 113 Preparation and properties of alloys, particularly of copper and brass. A. Smith and C. Johnson, <i>Trans. Am. Inst. Min. Engrs.</i> 1911. 4, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782,																							

POLJAKOVA, O. I.

"Isomerisation des hydrocarbures polymethyleniques sous l'action du chlorure d'aluminium.
Memoire I". Tourova-Poljak, M. B., Poljakova, O. I. (p. 233)

So: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #3

111 AND 112 INDEX										120 AND 121 INDEX									
PROCEDURES AND PROPERTIES INDEX																			
BC Q-3 Reaction of NH_3 with CO in the presence of Ni catalyst. A. H. Kohn and O. I. Pomeroy (Zurich, 1944, T. 34, 35). Simple vapors, Ni in the form of NiO, increase the yield of $\text{Ni}(\text{CO})_4$ from Ni, CH_4, CO by 100%, whereas $\text{Ni}(\text{CO})_4$, CH_4, CO, or $\text{Ni}(\text{CO})_4$ alone have no effect. This is probably due to activation of the Ni by formation of an unstable intermediate compound. H. G. R.																			
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1ST AND 2ND ORDERS																										3RD AND 4TH ORDERS																										5TH AND 6TH ORDERS																									
<i>*Investigation of Altmag Alloy. U. P. Poljakova (Metallurgy (Metallurgid), 1960, (4), 70-83).—[In Russian.] The alloy with magnesium 5.5, manganese 0.55, titanium 0.10, silicon 0.1, iron 0.13%, remainder aluminium. In the as-cast condition has an ultimate tensile strength of 18.2 kg./mm.², with an elongation of 6%; in the wrought condition the corresponding figures are 40-50 kg./mm.² and 5-6%, and after annealing they are 30 kg./mm.² and 20%. Altmag should be rolled at 400°-420° C. Annealing is effected by heating at 200°-375° C. for a period of 15-30 minutes. Ageing at room temperature of the quenched Altmag alloy has no effect on its mechanical properties.—N. A.</i>																																																																													
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POLJAKOVA, V. A.

"Synthese de l'alcaloide pilozinine." Poljakova, A. M.; Poljakova, V. A.;
Preobrazenskij, N. A. (p. 1402)

SO: Journal of General Chemistry
(Zhurnal Obshchei Khimii) 1939, Volume 9, #15